

Process step	Description				Docking	Piston						
		8	52	53	55	32	33	34	44	48	position	position
Α	Finished painting green										remote	at bottom
В	Clean piston face and bell cup, index injector	on	on		on		on	on	on		remote	oscillate near bottom
С	Dock with paint supply			<u> </u>							docked	at bottom
	Prime lines with red paint					on		on	on	on	docked	at bottom
E	Fill canister with red paint					on		on		on	docked	retracting
 F	Leave dock & clean injector	on	on		on	on	on				near	at top
G	Clean control valve face	on	on	on							remote	at top
Н	Paint with red								on / off		remote	dispense

Fig. 9

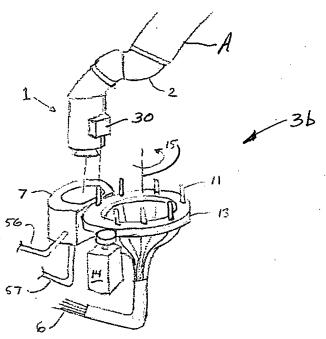
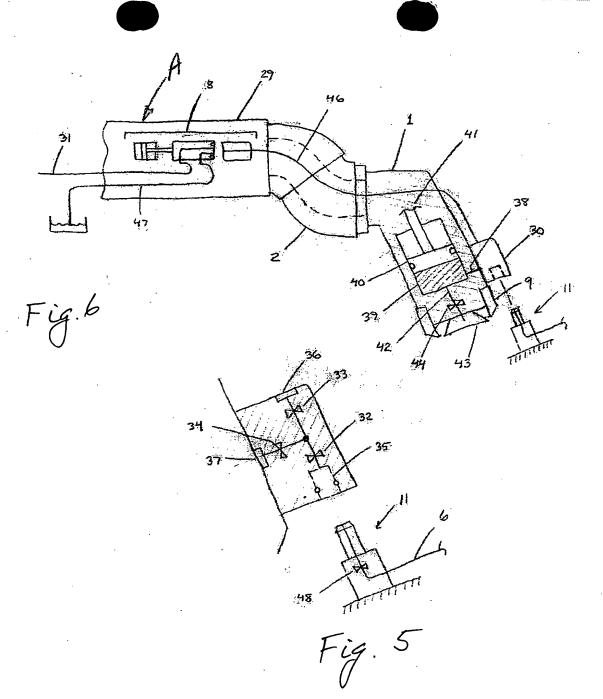
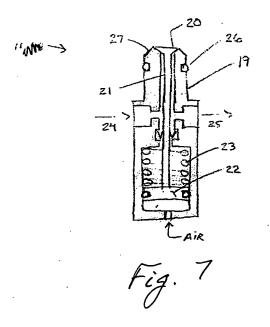


Fig. 3





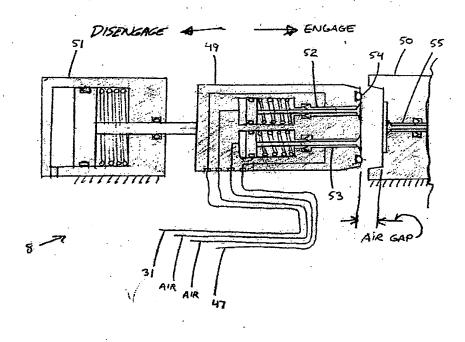
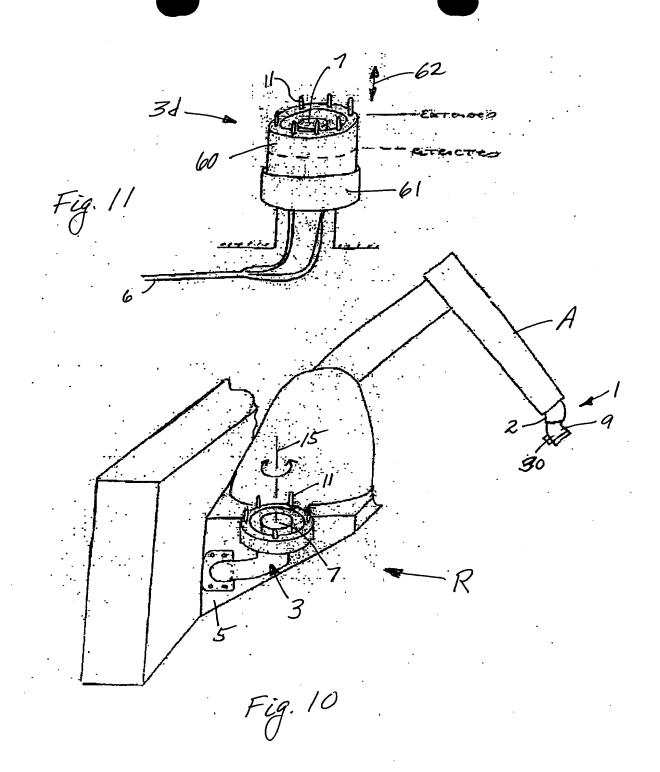
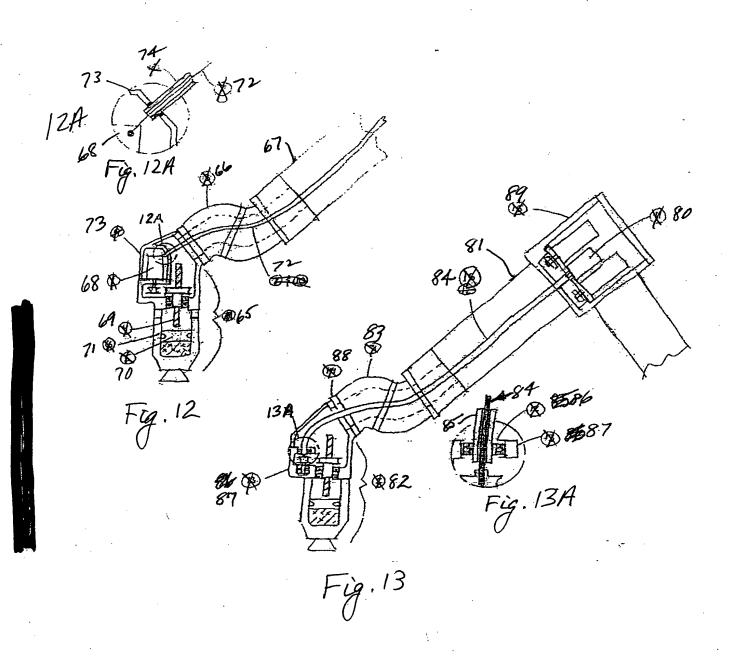
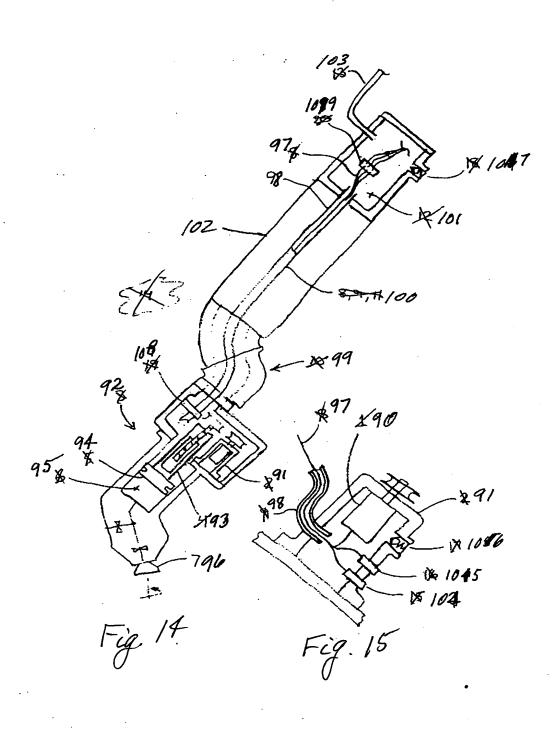


Fig. 8



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Process sequence - changing color	Docked	T	Valve										E L	
Process sequence - changing color		A	В	C	D	E	F	G	н		J	Ke	E.	
Done painting red	no			L		┸	┺	╀-	↓_	<u> </u>	 	<u> </u>	<u> </u>	
Clean piston face & Inside bell cup	no	on	on	on	<u> </u>	┸	↓_	ـــــ	 	 _	on	<u> </u>	 	
Clean outside of bell	yes/no		<u> </u>	lon	_	ᆚ	<u>. </u>	ــــــــــــــــــــــــــــــــــــــ	lon		lou	<u> </u>	 	
Index to green supply	yes/no	valve position n/a (can be parallel process)										├-		
Clean shroud	yes	vah	valve position n/a (can be parallel process)								on	-		
Prime lines with green	yes	on	on	<u> </u>	on	 	on	├		├-	╀		on	
Fill can with green	yes	1	<u>on</u>	<u> </u>	on	1_	on	↓	├		ón		on	
Clean & dry docking interface	yes				_	on	_	┼	╂	├	-	-	 '''	
Continue drying	no			on	lou	on	╂	₩-	┼		on	 	 	
Paint with green	no	lon		<u> </u>			1	ــــــــــــــــــــــــــــــــــــــ	┺-	1	<u> </u>	<u> </u>	<u> </u>	

Fig. 17

	Docked	Valve A B C D E F G H I J K L												
Process sequence - refilling same color		Α	В	C	D.	E	F	G.	H	1	J	Κ	Ľ.	
Done painting red	no	↓_	<u> </u>	<u> </u>	├-	├		├	00	on	100	\vdash	┰	
Clean inside & outside of bell	yes/no	-	<u></u>	on	10/8	(can	be D	aralle	el pro				<u> </u>	
Clean shroud	yes	+	on	1	on	1	on	1	T	<u> </u>	1	on	on	
Prime lines with red	yes	on	on	├─	On.	-	on	1		1		on	or	
Fill can with red	yes	┼	1011	-		on	1	-	 		on		on	
Clean & dry docking interface	yes	├ ─	├	on	+		├-	1—	-	 	on	_	✝	
Continue drying	no	 	├	on	on	1011	-	├	╁╴	1	1	\vdash	一	
Paint with red	no	lon	<u> </u>	<u> </u>			<u> </u>	1		<u> </u>	<u> </u>	Ь—		

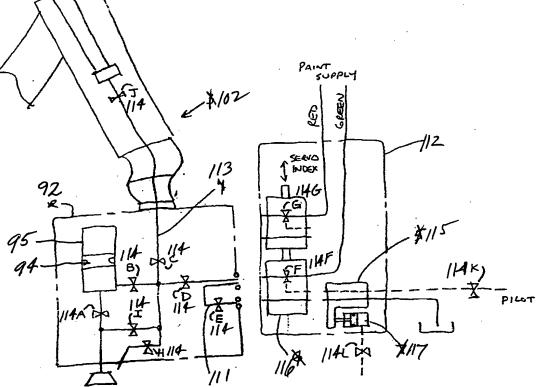


Fig. 16

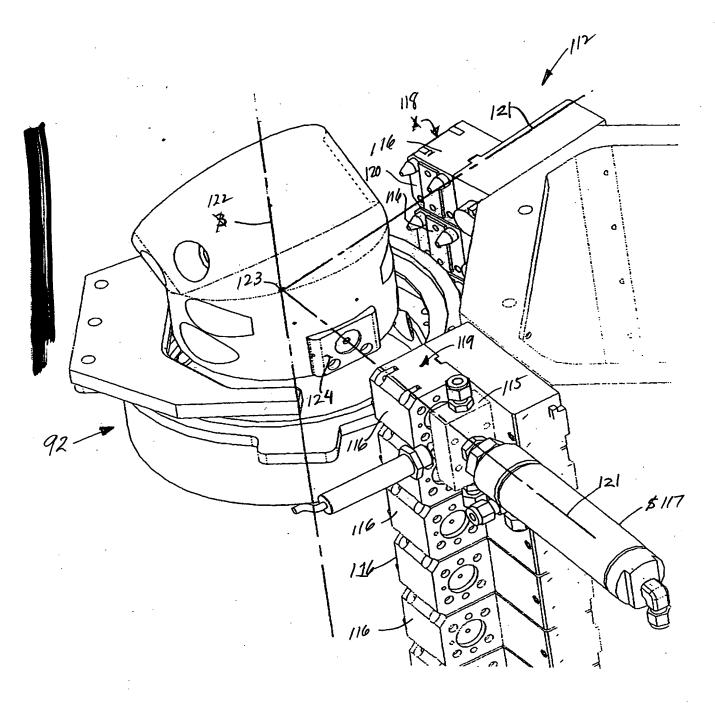


Fig. 19

